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# Public Notice

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**US ARMY CORPS  
OF ENGINEERS  
St. Louis District  
Gateway to Excellence**

**Reply To:  
U.S. Army Corps of Engineers  
Attn: CEMVS-CO-F  
1222 Spruce Street  
St. Louis, Missouri 63103-2833**

Public Notice No.

[P-2415](#)

Public Notice Date

[April 23, 2004](#)

Expiration Date

[May 13, 2004](#)

**Postmaster Please Post Conspicuously Until:**

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File Number: [200401290](#)

Interested parties are hereby notified that an application has been received for a Department of the Army permit for certain work in waters of the United States, as described below and shown on the attached maps.

**COMMENTS AND ADDITIONAL INFORMATION:** Comments on the described work should reference the U.S. Army Corps of Engineers File Number shown above and must reach this office no later than the above expiration date of the Public Notice to become part of the record and be considered in the decision. Comments should be mailed to the following address:

U.S. Army Corps of Engineers  
Regulatory Branch  
1222 Spruce Street  
St. Louis, Missouri 63103-2833  
ATTN: Shawn Sullivan

**APPLICANT:** City of Eureka, Attn: Mr. Craig Sabo, 100 City Hall Drive, P.O. Box 125, Eureka, Missouri 63025-0125 (636) 938-5233.

**AGENT:** Mr. Mike Fitzhenry, Burns & McDonnell Engineering Company, Inc., 1630 Des Peres Road, St. Louis, Missouri 63131 (314) 821-9016.

**LOCATION:** The project area is located southwest of Augustine Road and primarily flows between Forest Run Drive and Williamson Drive in the Southwest ¼ of Section 6, Township 43 North, Range 04 East, in Eureka St. Louis County, Missouri.

**PROJECT DESCRIPTION:** The applicant seeks authorization to install bank stabilization measures along approximately 1,620 linear feet of unnamed intermittent tributary. The proposed stabilization will occur along both banks of the tributary for 1,500 linear feet and will include a combination of A-jack toe protection, vegetated retaining walls, bio-stabilization measures, a grade control structure, and improvements to existing outfall structures. The existing open channel flows in the backs of lots between existing subdivisions. Proposed improvements will require removal of existing vegetation, over-excavating those banks requiring A-jack toe protection or retaining walls, re-vegetating the top of the backfilled areas behind the A-jack toe or retaining wall with indigenous vegetation and protecting with an erosion control blanket. The banks proposed for stabilization with vegetation only; will include

installing erosion control blanket and replanting with native vegetation. The purpose of the proposed improvements is to stabilize eroding reaches of streambank and minimize the potential for erosion that is threatening trees and loss of property. The unnamed tributary flows into Flat Creek and Flat Creek is a primary tributary to the Meramec River.

**LOCATION MAPS AND DRAWINGS:** See attached.

**ADDITIONAL INFORMATION:** Additional information may be obtained by contacting Shawn Sullivan, Project Manager, U.S. Army Corps of Engineers, at (314) 331-8580. Your inquiries may also be sent by electronic facsimile to (314) 331-8741 or by e-mail to shawn.f.sullivan@mvs02.usace.army.mil.

**AUTHORITY:** This permit will be processed under Section 404 of the Clean Water Act (33 U.S.C. 1344).

**WATER QUALITY CERTIFICATION:** The project plans have been submitted to the Missouri Department of Natural Resources, Water Pollution Control Program for state certification of the proposed work in accordance with Section 401 of the Clean Water Act. The certification is requested as of the date of this Public Notice, and if issued, will express the Agency's opinion that the proposed activities will not violate applicable water quality standards. Written comments concerning possible impacts to waters of Missouri should be addressed to: Water Pollution Control Program, Post Office Box 176, Jefferson City, Missouri 65102-0176, with a copy provided to the Corps of Engineers.

**SECTION 404 (b)(1) EVALUATION:** The impact of the activity on the public interest will be evaluated in accordance with the Environmental Protection Agency guidelines pursuant to Section 404 (b)(1) of the Clean Water Act.

**PUBLIC HEARING:** Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the applicant's proposal. Any request for a public hearing shall state, with particularity, the reason for the hearing, and must be based on issues that would warrant additional public review.

**ENDANGERED SPECIES:** A preliminary determination, in compliance with the Endangered Species Act, as amended, has been made that the work that is proposed would not affect species designated as threatened or endangered, or adversely affect critical habitat. Therefore, no formal consultation request has been made to the United States Department of Interior, Fish and Wildlife Service. In order to complete our evaluation, comments are solicited from the Fish and Wildlife Service and other interested agencies and individuals through this Public Notice.

**CULTURAL RESOURCES:** The St. Louis District will evaluate information provided by the State Historic Preservation Officer and the public in response to this public notice and we may require a reconnaissance survey of the project area.

**EVALUATION:** The decision whether to issue a permit will be based on an evaluation of the probable impact including cumulative impacts of the described activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit that may reasonably be expected to accrue from the described activity must be balanced against its reasonably foreseeable detriments. All factors, which may be relevant to the activity described, will be considered including the cumulative effects. Among factors considered are: conservation; economics; aesthetics; general environmental concerns; wetlands; historic properties; fish and wildlife values; flood hazards; flood plain values; land use; navigation;

shoreline erosion and accretion; recreation; water supply and conservation; water quality; energy needs; safety; food and fiber production; mineral needs; consideration of property ownership; and in general the needs and welfare of the people.

**SOLICITATION OF COMMENTS:** The U.S. Army Corps of Engineers is soliciting comments from the public; Federal, state, and local agencies and officials; Indian Tribes; and other interested parties in order to consider and evaluate the impacts of the proposed activity. Any comments received will be considered by the U.S. Army Corps of Engineers to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects, and other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment and/or an Environmental Impact Statement pursuant to the National Environmental Policy Act. Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

DANNY D. MCCLENDON  
Chief, Regulatory Branch

Attachments

**NOTICE TO POSTMASTERS:**

It is requested that this notice be conspicuously and continually placed for 21 days from the date of this issuance of this notice.

# CITY OF EUREKA, MISSOURI

## AUGUSTINE HEIGHTS CHANNEL IMPROVEMENTS 2004

### CONVENTIONAL SYMBOLS (USED IN PLANS)

	EXISTING	NEW
<b>BUILDINGS AND STRUCTURES</b>		
GUARD RAIL		
CONCRETE RIGHT-OF-WAY MARKER		
STEEL RIGHT-OF-WAY MARKER		
LOCATION SURVEY MARKER		
<b>UTILITIES</b>		
FIBER OPTICS		
OVERHEAD TELEPHONE		
UNDERGROUND TELEPHONE		
OVERHEAD POWER		
UNDERGROUND POWER		
GAS		
WATER		
STORM SEWER		
SANITARY SEWER		
R/W LINE		
<b>SANITARY MANHOLE</b>		
<b>FIRE HYDRANT</b>		
<b>WATER VALVE</b>		
<b>WATER METER</b>		
<b>GAS VALVE</b>		
<b>GAS METER</b>		
<b>DROP INLET</b>		
<b>GRATE INLET</b>		
<b>DITCH BLOCK</b>		
<b>GROUND MOUNTED SIGN</b>		
<b>LIGHT POLE</b>		
<b>H-FRAME POWER POLE</b>		

#### TELEPHONE PEDESTAL

#### POWER POLE

#### STORM MANHOLE

#### SLOPE LIMITS

#### TEMPORARY CONSTRUCTION EASEMENT

#### FENCE

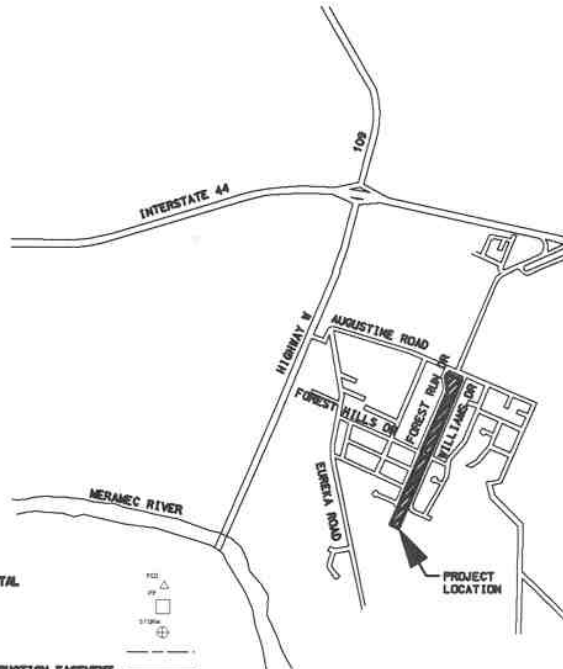
#### CHAIN LINK

#### WOVEN WIRE

#### GATE POST

#### BENCHMARK

NOTE: DASHED OR OPEN SYMBOLS INDICATE EXISTING FEATURES



### INDEX OF SHEETS

DESCRIPTION	SHEET NUMBER
TITLE SHEET	-
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COORDINATE POINTS	-
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EROSION CONTROL	-
CROSS SECTION	-

### ABBREVIATIONS

(ASPH PAVT)	ASPHALT PAVEMENT
(CONC)	CONCRETE
(CMP)	CORRUGATED METAL PIPE
(VCP)	VITRIFIED CLAY PIPE
(RCP)	REINFORCED CONCRETE PIPE
(EX)	EXISTING
(PROP)	PROPOSED
(AIP)	ABANDON IN PLACE
(ATG)	ADJUST TO GRADE
(R)	REMOVE
(RBO)	REMOVE BY OTHERS
(TBRN)	TO BE REMOVED AND REPLACED
(UIP)	USED IN PLACE
(DND)	DO NOT DISTURB
(GM)	GAS METER
(TH)	TEST HOLE
(WM)	WATER METER
(EOP)	EDGE OF PAVEMENT
(STA)	STATION
(OFF)	OFFSET
(ELEV)	ELEVATION
(TEMP)	TEMPORARY
(RELCS)	RELLOCATE
(TYP)	TYPICAL
(EASMT)	EASEMENT
(SL)	SLOPE LIMITS
(TOE)	TEMPORARY CONSTRUCTION EASEMENT
(R/W)	RIGHT OF WAY
(TB)	TOP OF BANK
(TS)	TOE OF SLOPE

#### GENERAL NOTES:

- UNDERGROUND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE INFORMATION AND THEREFORE THEIR LOCATION MUST BE CONSIDERED APPROXIMATE ONLY. THE VERIFICATION OF THE LOCATION OF ALL UNDERGROUND UTILITIES EITHER SHOWN OR NOT SHOWN ON THESE PLANS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR, AND SAID UTILITIES SHALL BE LOCATED PRIOR TO GRADING OR CONSTRUCTION OF IMPROVEMENTS.
- EXCEPT AS NOTED, ALL EXISTING FACILITIES ARE TO REMAIN UNDISTURBED AND UTILIZED IN PLACE. CONTRACTOR TO PROVIDE PROTECTION NECESSARY TO PREVENT DAMAGE.
- ALL TRENCHING, BACKFILLING, EXCAVATION, GROUTING, GRADING, AND SEWER CONSTRUCTION AND MATERIALS, INCLUDING BUT NOT LIMITED TO, STORM MANHOLES FLARED END SECTIONS, SHALL CONFORM TO MSD "STANDARD CONSTRUCTION SPECIFICATIONS FOR SEWER AND DRAINAGE FACILITIES, 2000 METROPOLITAN ST. LOUIS SEWER DISTRICT," UNLESS INDICATED OTHERWISE IN THE PROJECT DRAWINGS. THE TERMS "DIRECTOR AND DISTRICT" SHALL BE REPLACED WITH "THE CITY OF EUREKA OR ITS AUTHORIZED REPRESENTATIVE."
- ALL MANHOLES, VALVES, METERS, AND OTHER AT GRADE UTILITY APPURTENANCES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE ADJUSTED TO FINAL GRADE. POWER POLES AND OTHER ABOVE GROUND APPURTENANCES SHALL BE RELOCATED BY THE UTILITY COMPANY. THE CONTRACTOR WILL BE RESPONSIBLE FOR NECESSARY ADJUSTMENTS/RELOCATIONS OF STORM AND SANITARY SEWER, WATER LINES, AND APPURTENANCES. THE CONTRACTOR SHALL COORDINATE SCHEDULING OF ALL UTILITY ADJUSTMENTS/RELOCATIONS.
- RESTORE IN ACCORDANCE WITH MSD SPECIFICATIONS ALL AREAS DISTURBED BY CONSTRUCTION OPERATIONS, EXCEPT THOSE AREAS SHOWN TO RECEIVE INDIGENOUS PLANTING OR AS DESCRIBED IN NOTE 6.
- CHANNEL BANK AREAS DISTURBED BY CONSTRUCTION OPERATIONS, WHICH ARE NOT SPECIFICALLY IDENTIFIED IN THE PLANS AS SLOPE PROTECTION OR SLOPE REPAIR AREAS, SHALL BE RESTORED AS NEARLY AS POSSIBLE TO THEIR ORIGINAL GRADES. INSTALL EROSION CONTROL BLANKET PER SLOPE PROTECTION DETAIL AND REPLANT WITH INDIGENOUS SPECIES SPECIFIED FOR SLOPE PROTECTION AREAS IN PLANTING PALLETTE. PLANT COMPOSITION SHALL REPLICATE THAT SPECIFIED FOR OTHER REPAIR AREAS WITH A PLANTING DENSITY OF ONE (1) CONTAINER PLANT PER 12 SQUARE FEET OF SURFACE AREA.
- CONTRACTOR SHALL EXERCISE CARE TO MINIMIZE THE AMOUNT OF EXCAVATED SOIL & FILL MATERIAL THAT ENTERS THE STREAM CHANNEL. INSTALL EROSION CONTROL BLANKET OR SOD AS APPLICABLE IMMEDIATELY FOLLOWING GRADING OPERATIONS TO MINIMIZE EROSION OF GRADED EARTH SLOPES.
- ANY NECESSARY TEMPORARY SHORING AND BRACING SHALL BE CONSTRUCTED IN ACCORDANCE WITH MSD SPECIFICATIONS. SHORING AND BRACING WILL NOT BE MEASURED OR PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- FOR EROSION CONTROL MEASURES, REFER TO ST. LOUIS COUNTY STANDARD DETAIL FOR SILTATION CONTROL, STDS C107.11-C107.15.



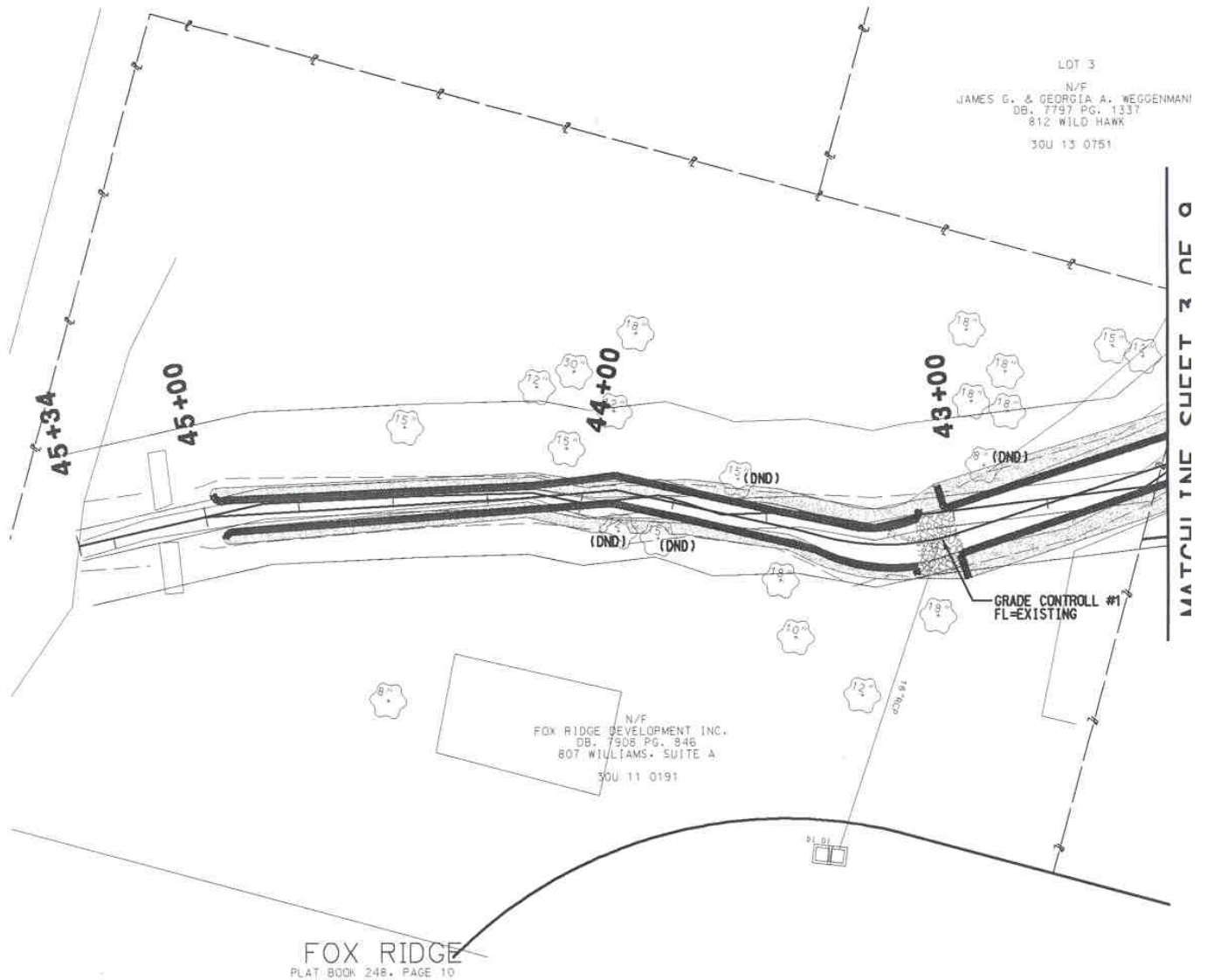
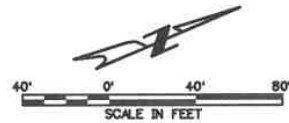
CITY OF EUREKA MISSOURI  
STORM WATER IMPROVEMENTS

AUGUSTINE HEIGHTS  
CHANNEL

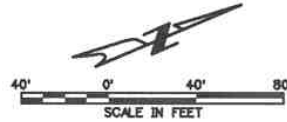
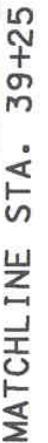
PLAN SHEET 1

SHEET 2 of 11

DATE: 8/24/03





DATE SDATES



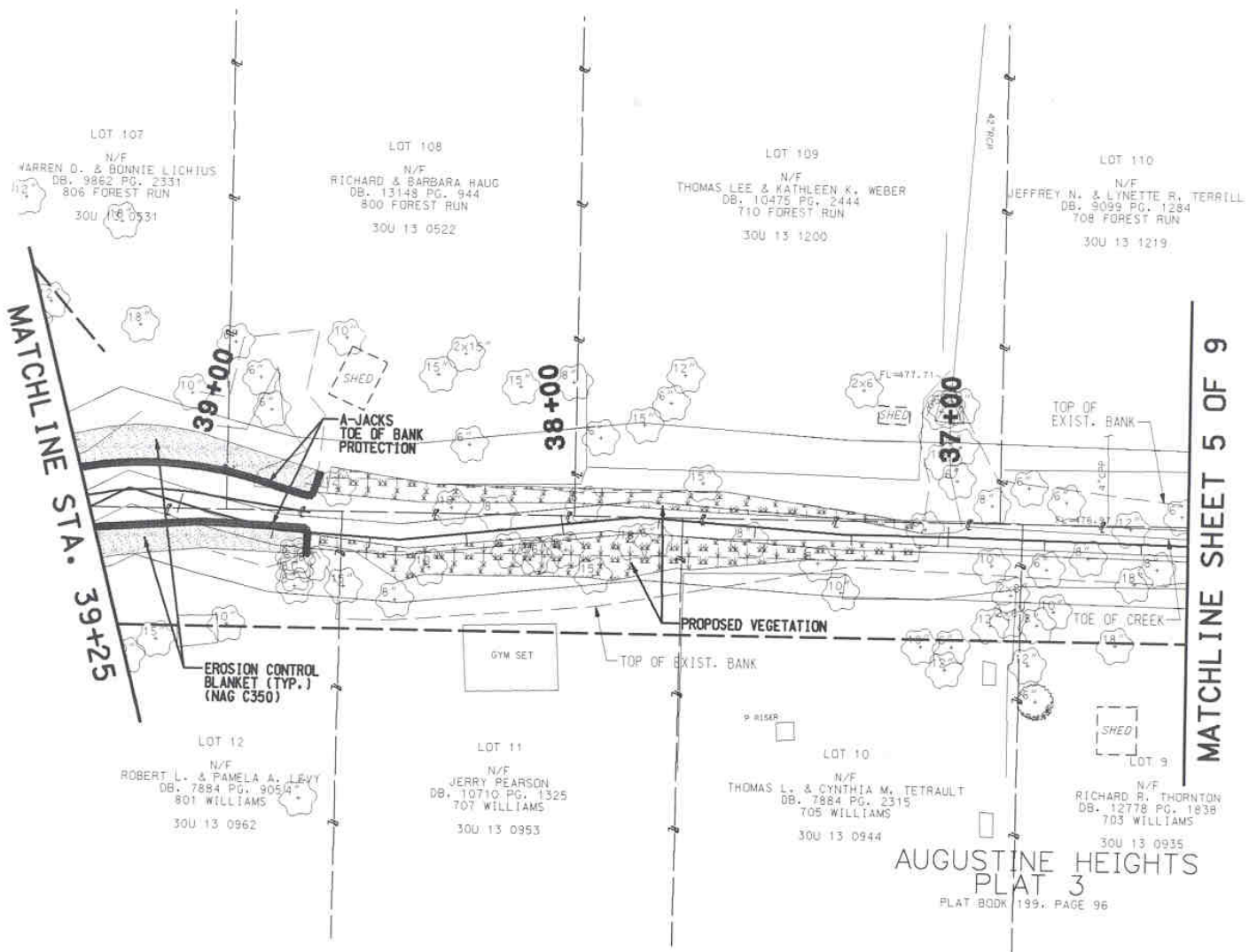
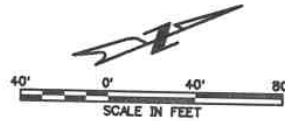
CITY OF EUREKA MISSOURI  
STORM WATER IMPROVEMENTS

AUGUSTINE HEIGHTS  
CHANNEL

PLAN SHEET 2

SHEET 4 of 11

DATE                     





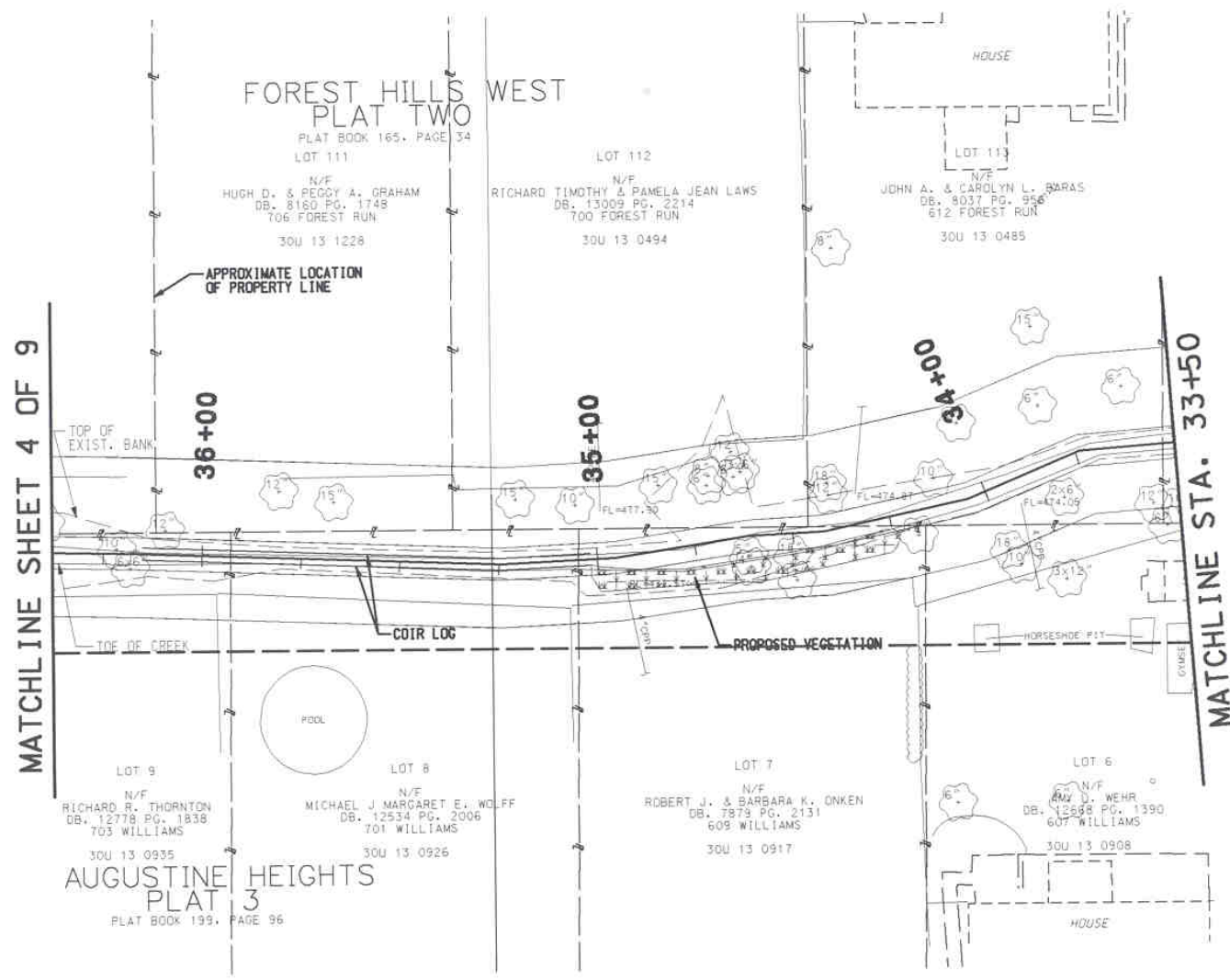
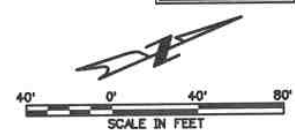
CITY OF EUREKA MISSOURI  
STORM WATER IMPROVEMENTS

AUGUSTINE HEIGHTS  
CHANNEL

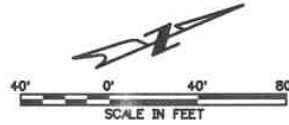
PLAN SHEET 2

SHEET 5 of 11

DATE: 8/2/04

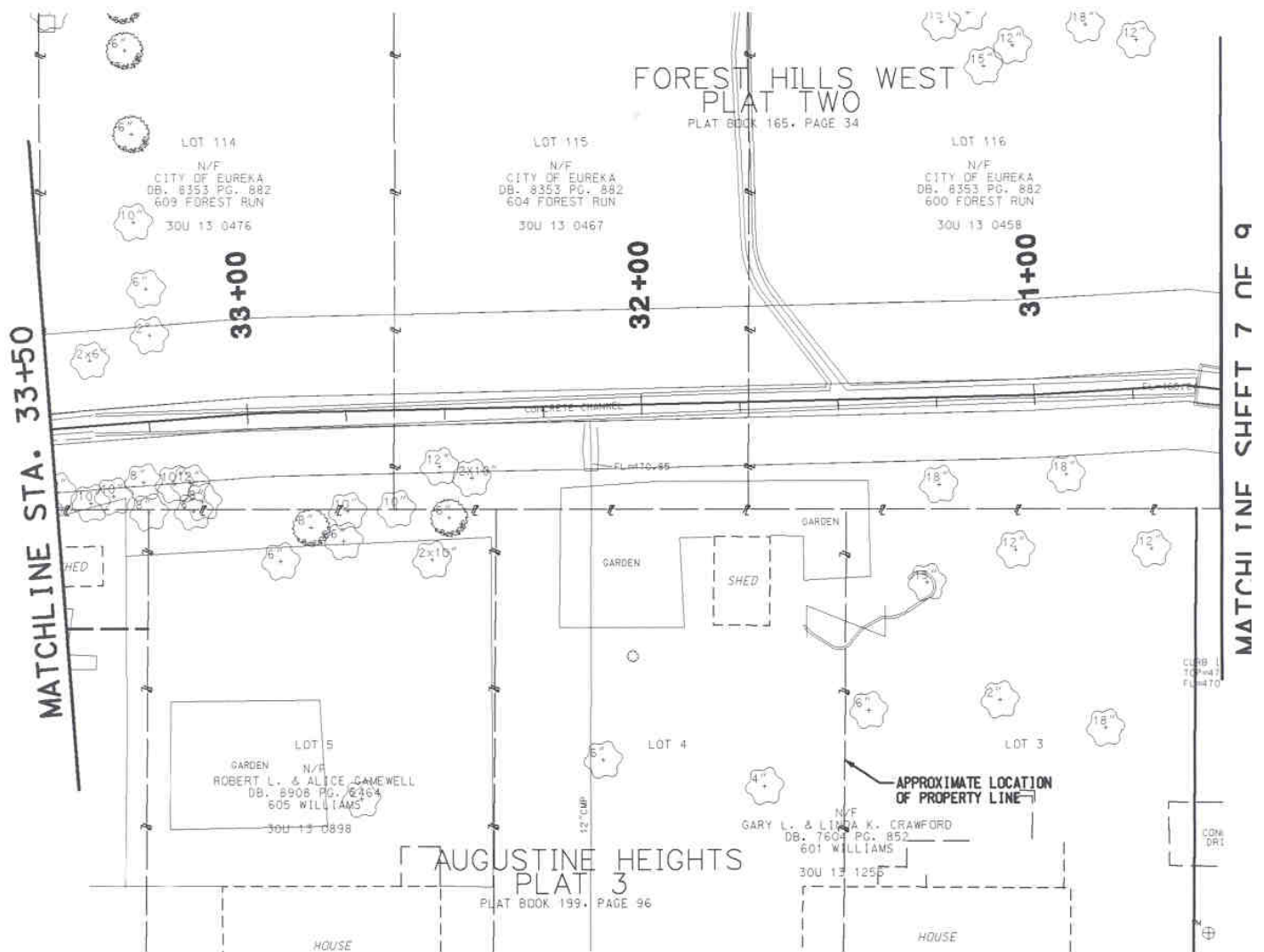


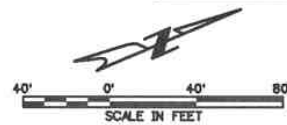


CITY OF EUREKA MISSOURI  
STORM WATER IMPROVEMENTSAUGUSTINE HEIGHTS  
CHANNEL

PLAN SHEET 3

SHEET 6 of 11

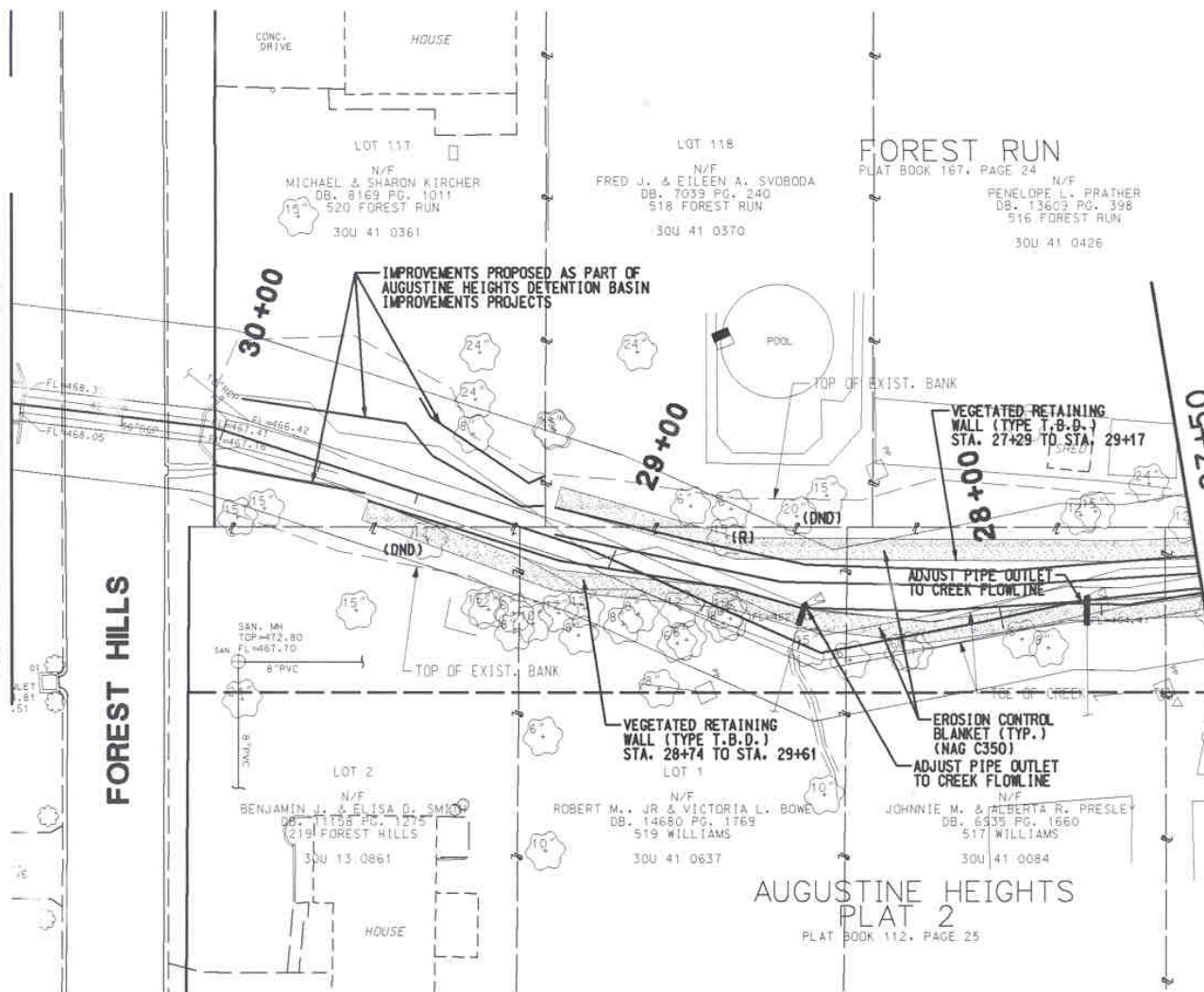
DATE SDATES



MATCHLINE SHEET 6 OF 9

FOREST HILLS

MATCHLINE STA. 27+50





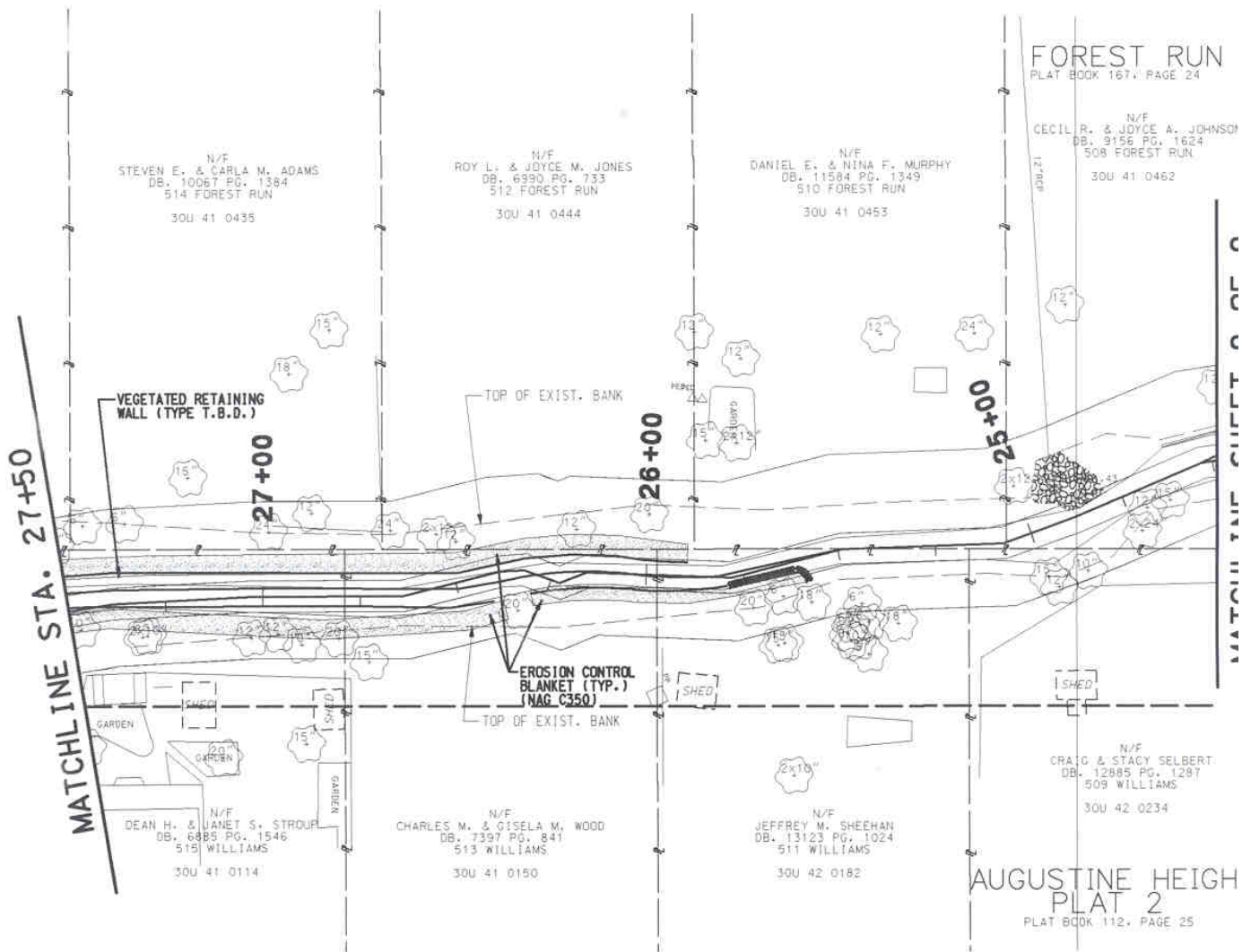
CITY OF EUREKA MISSOURI  
STORM WATER IMPROVEMENTS

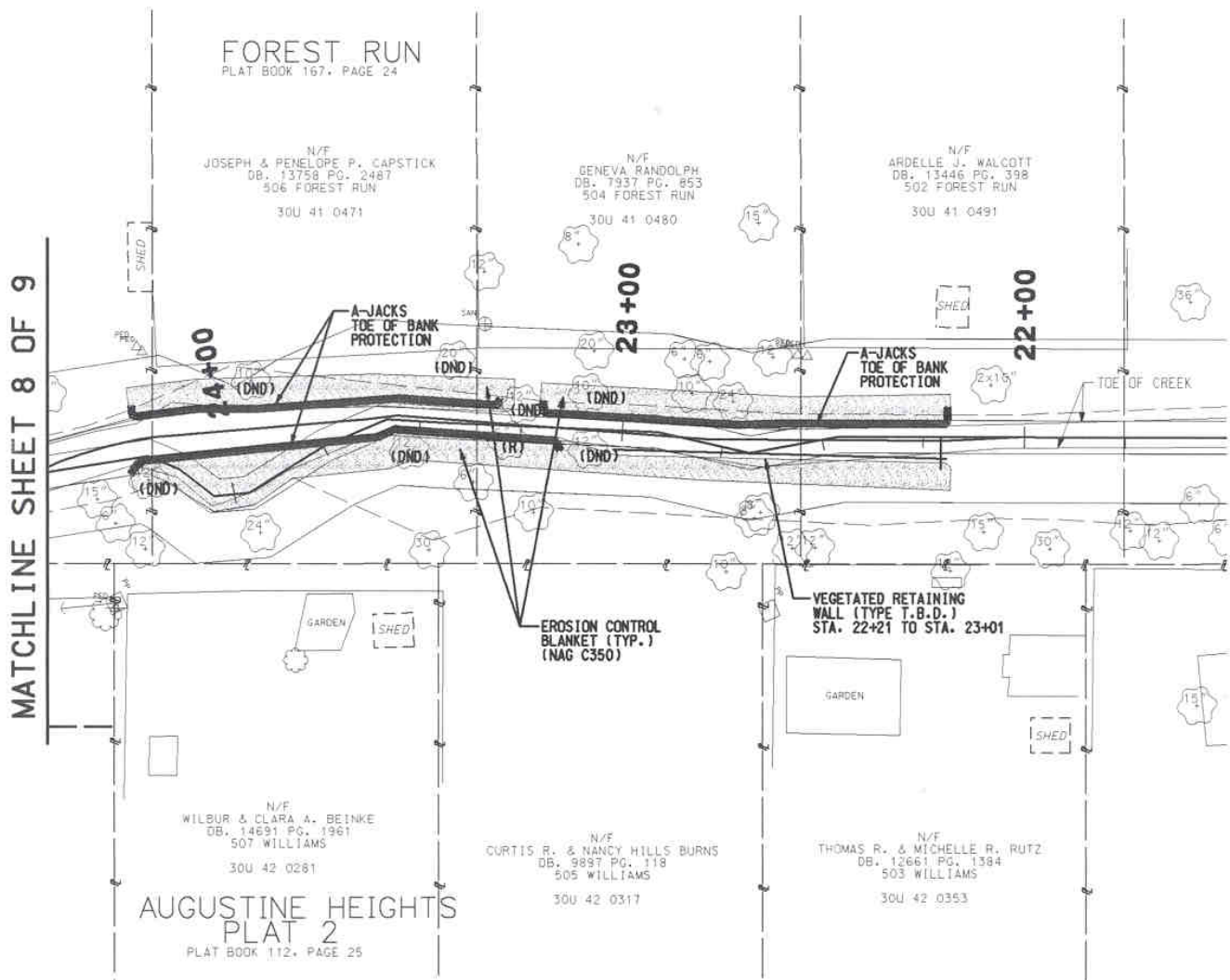
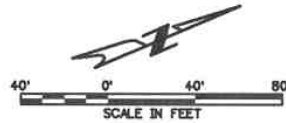
AUGUSTINE HEIGHTS  
CHANNEL

PLAN SHEET 4

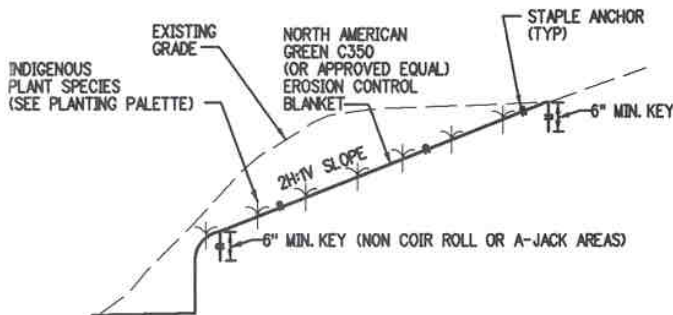
SHEET 8 of 11

DATE: 04/25/11





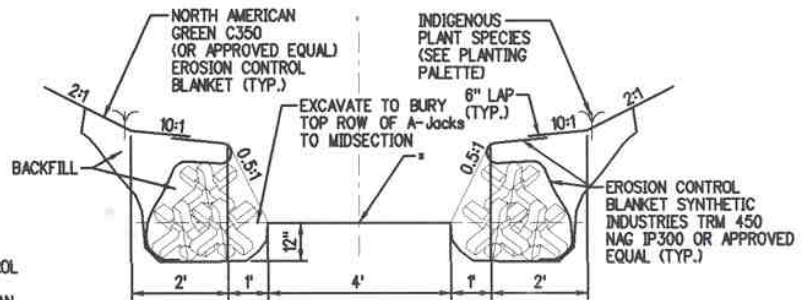




**SLOPE PROTECTION DETAIL**  
(NOT TO SCALE)

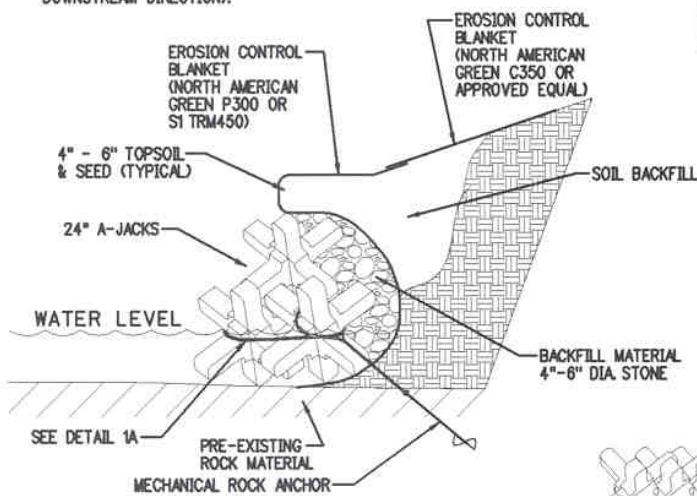
**NOTES:**

1. STAPLE ANCHORS TO BE LOCATED 2' MIN ON CENTER.
2. EROSION CONTROL BLANKET TO BE INSTALLED IN ACCORDANCE WITH DETAILS SHOWN AND IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION GUIDELINES. OVERLAP BLANKET SEAMS A MINIMUM OF 6" (SHINGLE STYLE IN DOWNSTREAM DIRECTION).

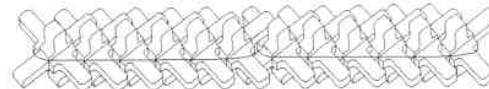


**TYPICAL FLAT BOTTOM DITCH WITH A-JACKS**  
(NOT TO SCALE)

STA 6+35 TO STA 7+25

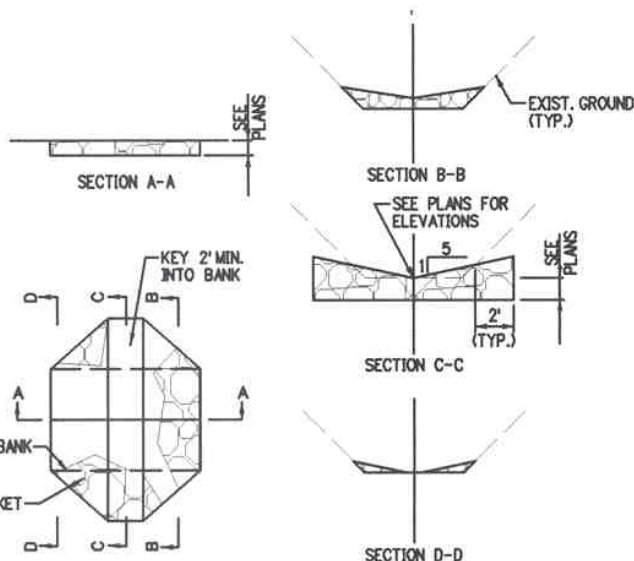


**A-JACKS BEDROCK DETAIL**  
(NOT TO SCALE)

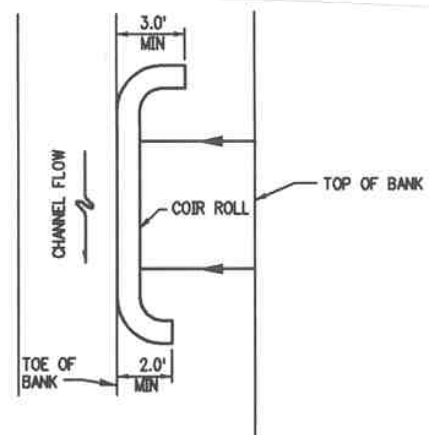


**DETAIL 1A**  
POLYESTER CHOKER/BELLY-BAND  
AROUND MATRIX OF 6-7 A-JACKS

Sheet 10 of 11  
P-2415  
File #2004-01290



**GRADE CONTROL STRUCTURE - TYPICAL**  
(NOT TO SCALE)



**NOTE:**  
TURN IN, STAKE, & BURY COIR ROLL A MINIMUM OF 3' ON UPSTREAM END AND 2' ON DOWNSTREAM END.

**COIR ROLL TURN IN DETAIL**  
(NOT TO SCALE)



